

Firewalls And Vpns

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Cisco Secure Virtual Private Networks
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Network Security, Firewalls, and VPNs with Cloud Labs

Computer Security and the Internet

This book provides a concise yet comprehensive

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overview of computer and Internet security, suitable for a one-term introductory course for junior/senior undergrad or first-year graduate students. It is also suitable for self-study by anyone seeking a solid footing in security - including software developers and computing professionals, technical managers and government staff. An overriding focus is on brevity, without sacrificing breadth of core topics or technical detail within them. The aim is to enable a broad understanding in roughly 350 pages. Further prioritization is supported by designating as optional selected content within this. Fundamental academic concepts are reinforced by specifics and examples, and related to applied problems and real-world incidents. The first chapter provides a gentle overview and 20 design principles for security. The ten chapters that follow provide a framework for understanding computer and Internet security. They regularly refer back to the principles, with supporting examples. These principles are the conceptual counterparts of security-related error patterns that have been recurring in software and system designs for over 50 years. The book is "elementary" in that it assumes no background in security, but unlike "soft" high-level texts it does not avoid low-level details, instead it selectively dives into fine points for exemplary topics to concretely illustrate concepts and principles. The book is rigorous in the sense of being technically sound, but avoids both mathematical proofs and lengthy source-code examples that typically make books inaccessible to general audiences. Knowledge of elementary operating system and networking concepts is helpful, but review sections summarize the essential background. For

graduate students, inline exercises and supplemental references provided in per-chapter endnotes provide a bridge to further topics and a springboard to the research literature; for those in industry and government, pointers are provided to helpful surveys and relevant standards, e.g., documents from the Internet Engineering Task Force (IETF), and the U.S. National Institute of Standards and Technology.

Network Security, Firewalls, and VPNs

Introduces the authors' philosophy of Internet security, explores possible attacks on hosts and networks, discusses firewalls and virtual private networks, and analyzes the state of communication security.

Basics Of Network Security Firewalls And Vpns

End-to-End Network Security Defense-in-Depth Best practices for assessing and improving network defenses and responding to security incidents Omar Santos Information security practices have evolved from Internet perimeter protection to an in-depth defense model in which multiple countermeasures are layered throughout the infrastructure to address vulnerabilities and attacks. This is necessary due to increased attack frequency, diverse attack sophistication, and the rapid nature of attack velocity—all blurring the boundaries between the network and perimeter. End-to-End Network Security is designed to counter the new generation of complex

threats. Adopting this robust security strategy defends against highly sophisticated attacks that can occur at multiple locations in your network. The ultimate goal is to deploy a set of security capabilities that together create an intelligent, self-defending network that identifies attacks as they occur, generates alerts as appropriate, and then automatically responds. End-to-End Network Security provides you with a comprehensive look at the mechanisms to counter threats to each part of your network. The book starts with a review of network security technologies then covers the six-step methodology for incident response and best practices from proactive security frameworks. Later chapters cover wireless network security, IP telephony security, data center security, and IPv6 security. Finally, several case studies representing small, medium, and large enterprises provide detailed example configurations and implementation strategies of best practices learned in earlier chapters. Adopting the techniques and strategies outlined in this book enables you to prevent day-zero attacks, improve your overall security posture, build strong policies, and deploy intelligent, self-defending networks.

“Within these pages, you will find many practical tools, both process related and technology related, that you can draw on to improve your risk mitigation strategies.” —Bruce Murphy, Vice President, World Wide Security Practices, Cisco Omar Santos is a senior network security engineer at Cisco®. Omar has designed, implemented, and supported numerous secure networks for Fortune 500 companies and the U.S. government. Prior to his current role, he was a technical leader within the World Wide Security

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Practice and the Cisco Technical Assistance Center (TAC), where he taught, led, and mentored many engineers within both organizations. Guard your network with firewalls, VPNs, and intrusion prevention systems Control network access with AAA Enforce security policies with Cisco Network Admission Control (NAC) Learn how to perform risk and threat analysis Harden your network infrastructure, security policies, and procedures against security threats Identify and classify security threats Trace back attacks to their source Learn how to best react to security incidents Maintain visibility and control over your network with the SAVE framework Apply Defense-in-Depth principles to wireless networks, IP telephony networks, data centers, and IPv6 networks This security book is part of the Cisco Press® Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end self-defending networks. Category: Networking: Security Covers: Network security and incident response

Guide to Firewalls and VPNs

What an amazing world we live in! Almost anything you can imagine can be researched, compared, admired, studied, and in many cases, bought, with the click of a mouse. The Internet has changed our lives, putting a world of opportunity before us.

Unfortunately, it has also put a world of opportunity into the hands of those whose motives are less than honorable. A firewall, a piece of software or hardware

that erects a barrier between your computer and those whomight like to invade it, is one solution. If you've been using the Internet for any length of time, you've probably received some unsavory and unsolicited e-mail. If you run a business, you may be worried about the security of your data and your customers' privacy. At home, you want to protect your personal information from identity thieves and other shady characters. *Firewalls For Dummies®* will give you the lowdown on firewalls, then guide you through choosing, installing, and configuring one for your personal or business network. *Firewalls For Dummies®* helps you understand what firewalls are, how they operate on different types of networks, what they can and can't do, and how to pick a good one (it's easier than identifying that perfect melon in the supermarket.) You'll find out about Developing security policies Establishing rules for simple protocols Detecting and responding to system intrusions Setting up firewalls for SOHO or personal use Creating demilitarized zones Using Windows or Linux as a firewall Configuring ZoneAlarm, BlackICE, and Norton personal firewalls Installing and using ISA server and FireWall-1 With the handy tips and hints this book provides, you'll find that firewalls are nothing to fear - that is, unless you're a cyber-crook! You'll soon be able to keep your data safer, protect your family's privacy, and probably sleep better, too.

Firewalls Don't Stop Dragons

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind

the firewall have no defenses of their own, so when a host in the "trusted" zone is breached, access to your data center is not far behind. That's an all-too-familiar scenario today. With this practical book, you'll learn the principles behind zero trust architecture, along with details necessary to implement it. The Zero Trust Model treats all hosts as if they're internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you'll focus on building strong authentication, authorization, and encryption throughout, while providing compartmentalized access and better operational agility. Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

Cisco PIX Firewalls

Check Point NGX R65 is the next major release of Check Point's flagship firewall software product, which has over 750,000 registered users. Check Point's NGX is the underlying security software platform for all of the company's enterprise firewall, VPN and management solutions. It enables enterprises of all sizes to reduce the cost and complexity of security management and ensure that their security systems can be easily extended to adapt to new and emerging

threats. This title is a continuation of Syngress' best-selling references on Check Point's market leading Firewall and VPN products. * First book to market covering Check Point's new, flagship NGX R65 Firewall/VPN. * Provides bonus coverage for Check Point's upcoming NGX R65 Certification exams. * Companion Web site offers customized scripts for managing log files.

End-to-End Network Security

Virtual private networks (VPNs) based on the Internet instead of the traditional leased lines offer organizations of all sizes the promise of a low-cost, secure electronic network. However, using the Internet to carry sensitive information can present serious privacy and security problems. By explaining how VPNs actually work, networking expert Jon Snader shows software engineers and network administrators how to use tunneling, authentication, and encryption to create safe, effective VPNs for any environment. Using an example-driven approach, *VPNs Illustrated* explores how tunnels and VPNs function by observing their behavior "on the wire." By learning to read and interpret various network traces, such as those produced by tcpdump, readers will be able to better understand and troubleshoot VPN and network behavior. Specific topics covered include: Block and stream symmetric ciphers, such as AES and RC4; and asymmetric ciphers, such as RSA and ElGamal Message authentication codes, including HMACs Tunneling technologies based on gtnet SSL protocol for building network-to-network VPNs SSH

protocols as drop-in replacements for telnet, ftp, and the BSD r-commands Lightweight VPNs, including VTun, CIPE, tinc, and OpenVPN IPsec, including its Authentication Header (AH) protocol, Encapsulating Security Payload (ESP), and IKE (the key management protocol) Packed with details, the text can be used as a handbook describing the functions of the protocols and the message formats that they use. Source code is available for download, and an appendix covers publicly available software that can be used to build tunnels and analyze traffic flow. VPNs Illustrated gives you the knowledge of tunneling and VPN technology you need to understand existing VPN implementations and successfully create your own.

Firewalls and Internet Security

This book is essential reading for anyone wanting to protect Internet-connected computers from unauthorized access. Coverage includes TCP/IP, setting up firewalls, testing and maintaining firewalls, and much more. All of the major important firewall products are covered including Microsoft Internet Security and Acceleration Server (ISA), ISS BlackICE, Symantec Firewall, Check Point NG, and PIX Firewall. Firewall configuration strategies and techniques are covered in depth. The book answers questions about firewalls, from How do I make Web/HTTP work through my firewall? To What is a DMZ, and why do I want one? And What are some common attacks, and how can I protect my system against them? The Internet's explosive growth over the last decade has forced IT professionals to work even harder to secure

the private networks connected to it—from erecting firewalls that keep out malicious intruders to building virtual private networks (VPNs) that permit protected, fully encrypted communications over the Internet's vulnerable public infrastructure. The Best Damn Firewalls Book Period covers the most popular Firewall products, from Cisco's PIX Firewall to Microsoft's ISA Server to CheckPoint NG, and all the components of an effective firewall set up. Anything needed to protect the perimeter of a network can be found in this book. - This book is all encompassing, covering general Firewall issues and protocols, as well as specific products. - Anyone studying for a security specific certification, such as SANS' GIAC Certified Firewall Analyst (GCFW) will find this book an invaluable resource. - The only book to cover all major firewall products from A to Z: CheckPoint, ISA Server, Symatec, BlackICE, PIX Firewall and Nokia.

Cisco ASA

Cisco® ASA All-in-One Next-Generation Firewall, IPS, and VPN Services, Third Edition Identify, mitigate, and respond to today's highly-sophisticated network attacks. Today, network attackers are far more sophisticated, relentless, and dangerous. In response, Cisco ASA: All-in-One Next-Generation Firewall, IPS, and VPN Services has been fully updated to cover the newest techniques and Cisco technologies for maximizing end-to-end security in your environment. Three leading Cisco security experts guide you through every step of creating a complete security plan with Cisco ASA, and then deploying, configuring,

operating, and troubleshooting your solution. Fully updated for today's newest ASA releases, this edition adds new coverage of ASA 5500-X, ASA 5585-X, ASA Services Module, ASA next-generation firewall services, EtherChannel, Global ACLs, clustering, IPv6 improvements, IKEv2, AnyConnect Secure Mobility VPN clients, and more. The authors explain significant recent licensing changes; introduce enhancements to ASA IPS; and walk you through configuring IPsec, SSL VPN, and NAT/PAT. You'll learn how to apply Cisco ASA adaptive identification and mitigation services to systematically strengthen security in network environments of all sizes and types. The authors present up-to-date sample configurations, proven design scenarios, and actual debugs- all designed to help you make the most of Cisco ASA in your rapidly evolving network. Jazib Frahim, CCIE® No. 5459 (Routing and Switching; Security), Principal Engineer in the Global Security Solutions team, guides top-tier Cisco customers in security-focused network design and implementation. He architects, develops, and launches new security services concepts. His books include Cisco SSL VPN Solutions and Cisco Network Admission Control, Volume II: NAC Deployment and Troubleshooting. Omar Santos, CISSP No. 463598, Cisco Product Security Incident Response Team (PSIRT) technical leader, leads and mentors engineers and incident managers in investigating and resolving vulnerabilities in Cisco products and protecting Cisco customers. Through 18 years in IT and cybersecurity, he has designed, implemented, and supported numerous secure networks for Fortune® 500 companies and the U.S. government. He is also the author of several other books and numerous

whitepapers and articles. Andrew Ossipov, CCIE® No. 18483 and CISSP No. 344324, is a Cisco Technical Marketing Engineer focused on firewalls, intrusion prevention, and data center security. Drawing on more than 16 years in networking, he works to solve complex customer technical problems, architect new features and products, and define future directions for Cisco's product portfolio. He holds several pending patents. Understand, install, configure, license, maintain, and troubleshoot the newest ASA devices Efficiently implement Authentication, Authorization, and Accounting (AAA) services Control and provision network access with packet filtering, context-aware Cisco ASA next-generation firewall services, and new NAT/PAT concepts Configure IP routing, application inspection, and QoS Create firewall contexts with unique configurations, interfaces, policies, routing tables, and administration Enable integrated protection against many types of malware and advanced persistent threats (APTs) via Cisco Cloud Web Security and Cisco Security Intelligence Operations (SIO) Implement high availability with failover and elastic scalability with clustering Deploy, troubleshoot, monitor, tune, and manage Intrusion Prevention System (IPS) features Implement site-to-site IPsec VPNs and all forms of remote-access VPNs (IPsec, clientless SSL, and client-based SSL) Configure and troubleshoot Public Key Infrastructure (PKI) Use IKEv2 to more effectively resist attacks against VPNs Leverage IPv6 support for IPS, packet inspection, transparent firewalls, and site-to-site IPsec VPNs

The Best Damn Firewall Book Period

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In the five years since the first edition of this classic book was published, Internet use has exploded. The commercial world has rushed headlong into doing business on the Web, often without integrating sound security technologies and policies into their products and methods. The security risks--and the need to protect both business and personal data--have never been greater. We've updated Building Internet Firewalls to address these newer risks. What kinds of security threats does the Internet pose? Some, like password attacks and the exploiting of known security holes, have been around since the early days of networking. And others, like the distributed denial of service attacks that crippled Yahoo, E-Bay, and other major e-commerce sites in early 2000, are in current headlines. Firewalls, critical components of today's computer networks, effectively protect a system from most Internet security threats. They keep damage on one part of the network--such as eavesdropping, a worm program, or file damage--from spreading to the rest of the network. Without firewalls, network security problems can rage out of control, dragging more and more systems down. Like the bestselling and highly respected first edition, Building Internet Firewalls, 2nd Edition, is a practical and detailed step-by-step guide to designing and installing firewalls and configuring Internet services to work with a firewall. Much expanded to include Linux and Windows coverage, the second edition describes: Firewall technologies: packet filtering, proxying, network address translation, virtual private networks Architectures such as screening routers, dual-homed hosts, screened hosts, screened subnets, perimeter networks, internal firewalls Issues involved in a

variety of new Internet services and protocols through a firewall Email and News Web services and scripting languages (e.g., HTTP, Java, JavaScript, ActiveX, RealAudio, RealVideo) File transfer and sharing services such as NFS, Samba Remote access services such as Telnet, the BSD "r" commands, SSH, BackOrifice 2000 Real-time conferencing services such as ICQ and talk Naming and directory services (e.g., DNS, NetBT, the Windows Browser) Authentication and auditing services (e.g., PAM, Kerberos, RADIUS); Administrative services (e.g., syslog, SNMP, SMS, RIP and other routing protocols, and ping and other network diagnostics) Intermediary protocols (e.g., RPC, SMB, CORBA, IIOP) Database protocols (e.g., ODBC, JDBC, and protocols for Oracle, Sybase, and Microsoft SQL Server) The book's complete list of resources includes the location of many publicly available firewall construction tools.

Hardening Cisco Routers

This book solves the need for a resource that illustrates the principles underlying security technology, as well as provides complete hands-on exercises that will serve as valuable practice for users. Based on open-source software, this book is oriented toward the first-time networking reader. Progressive, practical exercises build confidence; SOHO (small-office-home-office) users will also be impressed with the information provided, as for these users the affordability of open-source solutions can be critical. Comprehensive coverage includes: TCP/IP and related protocols, open-source firewalls, services

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support and applications that firewalls protect, IPsec and TLS-based VPNs, and firewall log and log servers. An excellent reference and resource for network administrators, security administrators, chief security officers, and anyone with the following certifications: SANS, GSEC, MCSE, MCSA, CNE, A+, and Security+.

Guide to Firewalls and Network Security

In *The Practice of Network Security*, former UUNet network architect Allan Liska shows how to secure enterprise networks in the real world - where you're constantly under attack and you don't always get the support you need. Liska addresses every facet of network security, including defining security models, access control, Web/DNS/email security, remote access and VPNs, wireless LAN/WAN security, monitoring, logging, attack response, and more. Includes a detailed case study on redesigning an insecure enterprise network for maximum security.

VPNs

Expert solutions for securing network infrastructures and VPNs Build security into the network by defining zones, implementing secure routing protocol designs, and building safe LAN switching environments Understand the inner workings of the Cisco PIX Firewall and analyze in-depth Cisco PIX Firewall and Cisco IOS Firewall features and concepts Understand what VPNs are and how they are implemented with protocols such as GRE, L2TP, and IPsec Gain a packet-level understanding of the IPsec suite of protocols, its

associated encryption and hashing functions, and authentication techniques Learn how network attacks can be categorized and how the Cisco IDS is designed and can be set up to protect against them Control network access by learning how AAA fits into the Cisco security model and by implementing RADIUS and TACACS+ protocols Provision service provider security using ACLs, NBAR, and CAR to identify and control attacks Identify and resolve common implementation failures by evaluating real-world troubleshooting scenarios As organizations increase their dependence on networks for core business processes and increase access to remote sites and mobile workers via virtual private networks (VPNs), network security becomes more and more critical. In today's networked era, information is an organization's most valuable resource. Lack of customer, partner, and employee access to e-commerce and data servers can impact both revenue and productivity. Even so, most networks do not have the proper degree of security. Network Security Principles and Practices provides an in-depth understanding of the policies, products, and expertise that brings organization to this extremely complex topic and boosts your confidence in the performance and integrity of your network systems and services. Written by the CCIE engineer who wrote the CCIE Security lab exam and who helped develop the CCIE Security written exam, Network Security Principles and Practices is the first book to help prepare candidates for the CCIE Security exams. Network Security Principles and Practices is a comprehensive guide to network security threats and the policies and tools developed specifically to combat those threats.

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Taking a practical, applied approach to building security into networks, the book shows you how to build secure network architectures from the ground up. Security aspects of routing protocols, Layer 2 threats, and switch security features are all analyzed. A comprehensive treatment of VPNs and IPSec is presented in extensive packet-by-packet detail. The book takes a behind-the-scenes look at how the Cisco PIX(r) Firewall actually works, presenting many difficult-to-understand and new Cisco PIX Firewall and Cisco IOS(r) Firewall concepts. The book launches into a discussion of intrusion detection systems (IDS) by analyzing and breaking down modern-day network attacks, describing how an IDS deals with those threats in general, and elaborating on the Cisco implementation of IDS. The book also discusses AAA, RADIUS, and TACACS+ and their usage with some of the newer security implementations such as VPNs and proxy authentication. A complete section devoted to service provider techniques for enhancing customer security and providing support in the event of an attack is also included. Finally, the book concludes with a section dedicated to discussing tried-and-tested troubleshooting tools and techniques that are not only invaluable to candidates working toward their CCIE Security lab exam but also to the security network administrator running the operations of a network on a daily basis.

Firewalls For Dummies

Umer Khan's first book, Cisco Security Specialist's Guide to PIX Firewalls, ISBN: 1931836639, has

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consistently maintained its spot as the #1 best-selling PIX book on amazon.com by providing readers with a clear, comprehensive, and independent introduction to PIX Firewall configuration. With the market for PIX Firewalls maintaining double digit growth and several major enhancements to both the PIX Firewall and VPN Client product lines, this book will have enormous appeal with the audience already familiar with his first book. The Cisco Pix firewall is the #1 market leading firewall, owning 43% market share. Cisco is poised to release the newest, completely re-designed version 7 of the Pix operating system in the first quarter of 2004 "Cisco Pix Firewalls: configure | manage | troubleshoot" Covers all objectives on the new Cisco Pix certification exam, making this book the perfect study guide in addition to professional reference Umer Khan's first book "Cisco Security Specialist's Guide to PIX Firewall" has been the #1 market leading Cisco Pix book since it was published in 2002

Cisco Firewalls

Network Security Fire walls, and VPNs provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare

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for emerging technologies and future attacks. Key Features -Introduces the basics of network securityùexploring the details of firewall security and how VPNs operate -Illustrates how to plan proper network security to combat hackers and outside threats -Discusses firewall configuration and deployment and managing firewall security -Identifies how to secure local and Internet communications with a VPN About The Series The Jones & Bartlett Learning: Information Systems Security & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cyber-Security, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current, forward-thinking resources that enable readers to solve the cyber-security challenges of today and tomorrow.

Guide to Firewalls and Network Security

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Completely revised and rewritten to keep pace with the fast-paced field of Computer Forensics! Computer crimes call for forensics specialists, people who know how to find and follow the evidence. System Forensics, Investigation, and Response, Second Edition begins by examining the fundamentals of system forensics, such as what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It

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also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Finally, it explores emerging technologies as well as future directions of this interesting and cutting-edge field.

New and Key Features of the Second Edition:

Examines the fundamentals of system forensics

Discusses computer crimes and forensic methods

Written in an accessible and engaging style

Incorporates real-world examples and engaging cases

Instructor Materials for System Forensics,

Investigation, and Response include: PowerPoint

Lecture Slides Exam Questions Case

Scenarios/Handouts Instructor's Manual

Network Security, Firewalls and VPNs

The Second Edition of the Best Damn Firewall Book Period is completely revised and updated to include all of the most recent releases from Microsoft, Cisco, Juniper Network, and Check Point. Compiled from the best of the Syngress firewall library and authored by product experts such as Dr. Tom Shinder on ISA Server, this volume is an indispensable addition to a serious networking professionals toolkit. Coverage includes migrating to ISA Server 2006, integrating Windows Firewall and Vista security into your enterprise, successfully integrating Voice over IP applications around firewalls, and analyzing security log files. Sections are organized by major vendor, and include hardware, software and VPN configurations for each product line. New to this Edition: Microsoft

firewall protection, from Windows Firewall to ISA Server 2006 Cisco PIX Version 7, including VPN configuration and IDS Analyzing Firewall Logs and Reports VoIP and Firewall Bypassing

Advances in Information and Communication

Provides comprehensive overview of building and maintaining firewalls in a business environment, and maps to the objectives of CheckPoint™'s CCSA certification.

Guide to Firewalls and VPNs

Check Point NGX VPN-1/Firewall-1 is the next major release of Check Point's flagship firewall software product, which has over 750,000 registered users. The most significant changes to this release are in the areas of Route Based VPN, Directional VPN, Link Selection & Tunnel Management, Multiple Entry Points, Route Injection Mechanism, Wire Mode, and SecurePlatform Pro. Many of the new features focus on how to configure and manage Dynamic Routing rules, which are essential to keeping an enterprise network both available *and* secure. Demand for this book will be strong because Check Point is requiring all of its 3rd party developers to certify their products for this release. * Packed full with extensive coverage of features new to the product, allowing 3rd party partners to certify NGX add-on products quickly * Protect your network from both internal and external threats and learn to recognize future threats * All

you need to securely and efficiently deploy, troubleshoot, and maintain Check Point NGX

System Forensics, Investigation and Response

This book presents high-quality research on the concepts and developments in the field of information and communication technologies, and their applications. It features 134 rigorously selected papers (including 10 poster papers) from the Future of Information and Communication Conference 2020 (FICC 2020), held in San Francisco, USA, from March 5 to 6, 2020, addressing state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of future research. Discussing various aspects of communication, data science, ambient intelligence, networking, computing, security and Internet of Things, the book offers researchers, scientists, industrial engineers and students valuable insights into the current research and next generation information science and communication technologies.

Configuring Check Point NGX VPN-1/Firewall-1

Firewalls are among the best-known network security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion

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detection systems, and related tools. **GUIDE TO FIREWALLS AND VPNs, THIRD EDITION** explores firewalls in the context of these critical elements, providing an in-depth guide that focuses on both managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The text also features an abundant selection of realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. **GUIDE TO FIREWALLS AND VPNs** includes new and updated cases and projects, enhanced coverage of network security and VPNs, and information on relevant National Institute of Standards and Technology guidelines used by businesses and information technology professionals. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Practice of Network Security

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Fully revised and updated with the latest data from the field, **Network Security, Firewalls, and VPNs, Second Edition** provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. Written by an

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industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Key Features:

- Introduces the basics of network security exploring the details of firewall security and how VPNs operate
- Illustrates how to plan proper network security to combat hackers and outside threats
- Discusses firewall configuration and deployment and managing firewall security
- Identifies how to secure local and internet communications with a VPN

Instructor Materials for Network Security, Firewalls, VPNs include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not

just of today, but of tomorrow, as well."

Firewall Policies and VPN Configurations

Product Description Firewalls have ample recognition as key elements on the field of protecting networks. Even though this is not a new subject, many important concepts and resources, which could be helpful to designing a secure network, are often overlooked or even ignored. This book unveils the potential of Cisco firewall products and functionalities, and demonstrates how they can be grouped, in a structured manner, in order to build security solutions. The text is written in such a way that instructive linkages between theory and practice are naturally created, thus contributing to a better understanding of the most relevant concepts, and preparing the reader for the production of solid designs. The motivation for writing this book is associated with a simple axiom assumed: The better you understand how individual features operate, the better you can use them for design purposes. After all, producing better security designs is the aim of anyone truly committed to security. The book is organized in 17 chapters, as follows: Chapter 1. Firewalls and Network Security Chapter 2. Cisco Firewall Families Overview Chapter 3. Configuration Fundamentals Chapter 4. Learn the Tools. Know the Firewall Chapter 5. Firewalls in the Network Topology Chapter 6. Virtualization in the Firewall World Chapter 7. Through ASA without NAT Chapter 8. Through ASA using NAT Chapter 9. Classic IOS Firewall Overview Chapter 10. IOS Zone Policy Firewall Overview

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Chapter 11. Additional Protection Mechanisms
Chapter 12. Application Inspection Chapter 13.
Inspection of Voice Protocols Chapter 14. Identity on
Cisco Firewalls Chapter 15. Firewalls and IP Multicast
Chapter 16. Cisco Firewalls and IPv6 Chapter 17.
Firewall Interactions Appendix A - NAT and ACL
changes in ASA 8.3 Foreword (by Yusuf Bhaiji)

Networks today have outgrown exponentially both in size and complexity, becoming more multifaceted and increasingly challenging to secure. The blueprint of a core network requires a strong foundation, which can be simply provided with an integrated firewall architecture cemented at the core of the system.

Today, the firewall has become a core entity within a network and an integral part of every network infrastructure. Cisco Firewalls by Alexandre M. S. P. Moraes, has taken a stab at unleashing some of the fundamentally missed concepts, providing readers with a complete library of the entire family of Cisco Firewall products in a single binder. Alexandre has used a unique approach in explaining the concepts and architecture of the firewall technology. His distinct style has proven his skill at writing on a difficult subject using easy to understand illustrations that walk the reader through a step-by-step approach that shows the theory in action. He has combined some of the commonly used tools with the outputs from several commands to demonstrate the understanding of the technology and exemplifying how it works. Cisco Firewalls is unlike any other book on this subject and cannot be categorized as a configuration guide or command syntax manual. It provides the readers with the key tools and essential techniques to understand the wide-ranging Cisco

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firewall portfolio. Whether you are just a beginner trying to learn Cisco firewalls or an experienced engineer looking for a reference, there is something for everyone in this book at varying levels. Cisco Firewalls is an essential reference in designing, implementing, and maintaining today's highly secured networks. It is a must read and a must have in your collection - Magnum Opus! Yusuf Bhaiji; Sr. Manager, Expert Certifications (CCIE, CCDE, CCAR) 'Alexandre has worked with Cisco Security technologies since the year 2000 and is a well recognized expert in the LATAM Security community. He is a frequent speaker at Cisco Networkers and other Security conferences and has helped on training partners and customers in Brazil. In this book, he proposes a totally different approach to the important subject of Firewalls: instead of just presenting configuration models, he uses a set of carefully crafted examples to illustrate the theory in action. From the configuration fundamentals to advanced topics such as Voice Inspection, Multicast, IPv6 and Identity-based firewalls, the book unveils important details about the operations of Cisco firewalls solutions, enabling the reader to better use this knowledge on Security Design. A must read !' Luc Billot, Security Consulting Engineer at Cisco (Emerging Markets and European Market) 'I think that Alexandre's book could have the alternative title 'Cisco Firewalls illustrated'. The way in which he links theory and practice is really insightful and greatly helps on understanding individual features and making better use of them for Security design. Definitely a reference work in the subject!' Louis Senecal, CCIE 2198, Consulting Systems Engineer, Cisco (Canada) 'In this fully illustrated tour

to the world of Cisco Firewalls, Alexandre devotes a great deal of attention to Data Center related topics. Network Virtualization architecture and protection of environments that include Virtual Machines figure among the important subjects covered in the book. For those that want to benefit from Virtualization without compromising Security, this work is highly recommended.' David Gonzalez, CISSP #99462, Consulting Systems Engineer at Cisco (LATAM)

Guide to Computer Network Security

This timely textbook presents a comprehensive guide to the core topics in cybersecurity, covering issues of security that extend beyond traditional computer networks to the ubiquitous mobile communications and online social networks that have become part of our daily lives. In the context of our growing dependence on an ever-changing digital ecosystem, this book stresses the importance of security awareness, whether in our homes, our businesses, or our public spaces. This fully updated new edition features new material on the security issues raised by blockchain technology, and its use in logistics, digital ledgers, payments systems, and digital contracts. Topics and features: Explores the full range of security risks and vulnerabilities in all connected digital systems Inspires debate over future developments and improvements necessary to enhance the security of personal, public, and private enterprise systems Raises thought-provoking questions regarding legislative, legal, social, technical, and ethical challenges, such as the tension

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between privacy and security Describes the fundamentals of traditional computer network security, and common threats to security Reviews the current landscape of tools, algorithms, and professional best practices in use to maintain security of digital systems Discusses the security issues introduced by the latest generation of network technologies, including mobile systems, cloud computing, and blockchain Presents exercises of varying levels of difficulty at the end of each chapter, and concludes with a diverse selection of practical projects Offers supplementary material for students and instructors at an associated website, including slides, additional projects, and syllabus suggestions This important textbook/reference is an invaluable resource for students of computer science, engineering, and information management, as well as for practitioners working in data- and information-intensive industries.

Network Security, Firewalls, and VPNs

Firewalls are among the best-known security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when they are backed by effective security planning, a well-designed security policy, and when they work in concert with anti-virus software, intrusion detection systems, and other tools. This book aims to explore firewalls in the context of these other elements, providing readers with a solid, in-depth introduction to firewalls that focuses on both managerial and technical aspects of security.

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Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The second edition offers updated content and brand new material, from enhanced coverage of non-firewall subjects like information and network security to an all-new section dedicated to intrusion detection in the context of incident response.

Firewalls

The first book on the market covering the #2 best-selling firewall appliances in the world from NetScreen. This book continues Syngress' history from ISA Server to Check Point to Cisco Pix of being first to market with best-selling firewall books for security professionals. Configuring NetScreen Firewalls is the first book to deliver an in-depth look at the NetScreen firewall product line. It covers all of the aspects of the NetScreen product line from the SOHO devices to the Enterprise NetScreen firewalls. Also covered are advanced troubleshooting techniques and the NetScreen Security Manager. This book offers novice users a complete opportunity to learn the NetScreen firewall appliance. Advanced users will find it a rich technical resource. * NetScreen is the #2 best-selling firewall appliance in the world (behind only Cisco PIX) and there are no competing books. * Covers the materials found on the NetScreen NCSA 5.0 exam. * Syngress firewall books are consistent best-sellers with market-leading books on ISA Server, Cisco PIX, and Check Point Next Generation.

Check Point NGX R65 Security Administration

Rely on this practical, end-to-end guide on cyber safety and online security written expressly for a non-technical audience. You will have just what you need to protect yourself—step by step, without judgment, and with as little jargon as possible. Just how secure is your computer right now? You probably don't really know. Computers and the Internet have revolutionized the modern world, but if you're like most people, you have no clue how these things work and don't know the real threats. Protecting your computer is like defending a medieval castle. While moats, walls, drawbridges, and castle guards can be effective, you'd go broke trying to build something dragon-proof. This book is not about protecting yourself from a targeted attack by the NSA; it's about armoring yourself against common hackers and mass surveillance. There are dozens of no-brainer things we all should be doing to protect our computers and safeguard our data—just like wearing a seat belt, installing smoke alarms, and putting on sunscreen. Author Carey Parker has structured this book to give you maximum benefit with minimum effort. If you just want to know what to do, every chapter has a complete checklist with step-by-step instructions and pictures. The book contains more than 150 tips to make you and your family safer. It includes: Added steps for Windows 10 (Spring 2018) and Mac OS X High Sierra Expanded coverage on mobile device safety Expanded coverage on safety for kids online More than 150 tips with complete step-by-step

instructions and pictures What You'll Learn Solve your password problems once and for all Browse the web safely and with confidence Block online tracking and dangerous ads Choose the right antivirus software for you Send files and messages securely Set up secure home networking Conduct secure shopping and banking online Lock down social media accounts Create automated backups of all your devices Manage your home computers Use your smartphone and tablet safely Safeguard your kids online And more! Who This Book Is For Those who use computers and mobile devices, but don't really know (or frankly care) how they work. This book is for people who just want to know what they need to do to protect themselves—step by step, without judgment, and with as little jargon as possible.

Firewalls and VPNs

With the recent availability of high-speed Internet connections to the home and the continued move of workers out of central office locations (whether for travel, telecommuting, or branch office expansion), Virtual Private Networks (VPNs) have become a critical part of corporate network architectures. VPNs use advanced encryption and tunneling to permit your organization to establish secure, end-to-end, private network connections over third-party networks, such as the Internet. This new networking paradigm not only adds to the efficiency of the corporate workforce, but it also saves money by leveraging third-party networks and allows you to scale your networks with greater ease. Based on the

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official instructor-led training course of the same name, Cisco Secure Virtual Private Networks is a comprehensive, results-oriented book designed to give you the knowledge you need to plan, deploy, and manage VPNs in your network environment.

Beginning with an overview of VPNs and IPSec, the book introduces you to the Cisco VPN family of products. It then delves into the details of configuring and troubleshooting IPSec site-to-site VPNs on Cisco IOS(r) routers and Cisco PIX(r) Firewalls using preshared keys and digital certificates. You learn how to install the VPN 3000 Concentrator and how to configure it for remote access using preshared keys and digital certificates. Monitoring and administration techniques are also presented. The book concludes with a discussion on the scalability solutions available for IPSec VPNs. Each chapter includes an explicit set of learning objectives and concludes with a set of review questions to assess your understanding of the material. Numerous examples are provided throughout, and detailed diagrams help clarify concepts presented in the text. Whether you are preparing for the Cisco Security Specialist 1 certification or simply want to understand and make the most efficient use of VPNs, Cisco Secure Virtual Private Networks provides you with a complete solution for designing, implementing, and managing Cisco VPN networks. Prepare for the Cisco Security Specialist 1 VPN exam with the official CSVN Coursebook Evaluate the features, functions, and benefits of Cisco VPN products Understand the component technologies that are implemented in Cisco VPN products Learn the procedures, steps, and commands required to configure and test IPSec in

Cisco IOS Software and the Cisco PIX Firewall Install and configure the Cisco VPN client to create a secure tunnel to a Cisco VPN Concentrator and Cisco PIX Firewall Configure and verify IPSec in the Cisco VPN Concentrator, Cisco router, and Cisco PIX Firewall Enable interoperability among the Cisco VPN Concentrator, Cisco routers, and Cisco PIX Firewalls Apply scalability and advanced configuration features supported in the Cisco IPSec implementation Andrew G. Mason, CCIE(r) #7144, CSS-1, CCNP(r): Security, and CCDP(r), is the CEO of three UK-based companies: Mason Technologies, CCStudy.com, and Boxing Orange. Andrew has 11 years experience in the networking industry and is currently consulting for the largest ISP in the UK. He is involved daily in the design and implementation of complex secure hosted solutions utilizing products from the Cisco Secure family.

Network Security Principles and Practices

As a network administrator, auditor or architect, you know the importance of securing your network and finding security solutions you can implement quickly. This succinct book departs from other security literature by focusing exclusively on ways to secure Cisco routers, rather than the entire network. The rationale is simple: If the router protecting a network is exposed to hackers, then so is the network behind it. *Hardening Cisco Routers* is a reference for protecting the protectors. Included are the following topics: The importance of router security and where routers fit

into an overall security plan Different router configurations for various versions of Cisco's IOS Standard ways to access a Cisco router and the security implications of each Password and privilege levels in Cisco routers Authentication, Authorization, and Accounting (AAA) control Router warning banner use (as recommended by the FBI) Unnecessary protocols and services commonly run on Cisco routers SNMP security Anti-spoofing Protocol security for RIP, OSPF, EIGRP, NTP, and BGP Logging violations Incident response Physical security Written by Thomas Akin, an experienced Certified Information Systems Security Professional (CISSP) and Certified Cisco Academic Instructor (CCAI), the book is well organized, emphasizing practicality and a hands-on approach. At the end of each chapter, Akin includes a Checklist that summarizes the hardening techniques discussed in the chapter. The Checklists help you double-check the configurations you have been instructed to make, and serve as quick references for future security procedures. Concise and to the point, *Hardening Cisco Routers* supplies you with all the tools necessary to turn a potential vulnerability into a strength. In an area that is otherwise poorly documented, this is the one book that will help you make your Cisco routers rock solid.

The Best Damn Firewall Book Period

In this book, you will gain extensive hands-on experience installing and configuring a firewall. You will also learn how to allow access to key Web services while maintaining your organization's

security, as well as how to implement firewall-to-firewall virtual private networks (VPNs). You will learn how to build a firewall to protect your network; provide access to HTTP and FTP services on the Internet, and implement publicly accessible servers without compromising security. Furthermore, throughout the book, extensive hands-on examples provide you with practical experience in establishing security with firewalls. Examples include, but are not limited to: Installing and configuring Check Point FireWall-1; scanning to validate configuration using ISS Internet Scanner; configuring the firewall to support simple and complex Web services; setting up a packet filtering router; enhancing firewall configurations to support split-DNS; authenticating remote users; and protecting browsers and servers with a proxy-based firewall. · Install and configure proxy-based and stateful-filtering firewalls · Protect internal IP addresses with NAT and deploy a secure DNS architecture · Develop an Internet/intranet security policy to protect your organization's systems and data · Reduce your susceptibility to an attack by deploying firewalls, data encryption and decryption and other countermeasures

Checkpoint Next Generation Security Administration

Traditionally, network security (firewalls to block unauthorized users, Intrusion Prevention Systems (IPS) to keep attackers out, Web filters to avoid misuse of Internet browsing, and antivirus software to block malicious programs) required separate boxes

with increased cost and complexity. Unified Threat Management (UTM) makes network security less complex, cheaper, and more effective by consolidating all these components. This book explains the advantages of using UTM and how it works, presents best practices on deployment, and is a hands-on, step-by-step guide to deploying Fortinet's FortiGate in the enterprise. Provides tips, tricks, and proven suggestions and guidelines to set up FortiGate implementations Presents topics that are not covered (or are not covered in detail) by Fortinet's documentation Discusses hands-on troubleshooting techniques at both the project deployment level and technical implementation area

UTM Security with Fortinet

Install, Configure and Setup different connections with pfSense Key Features Build firewall and routing solutions with PfSense. Learn how to create captive portals, how to connect Pfsense to your https environment and so on. Practical approach towards building firewall solutions for your organization Book Description As computer networks become ubiquitous, it has become increasingly important to both secure and optimize our networks. pfSense, an open-source router/firewall, provides an easy, cost-effective way of achieving this – and this book explains how to install and configure pfSense in such a way that even a networking beginner can successfully deploy and use pfSense. This book begins by covering networking fundamentals, deployment scenarios, and hardware sizing

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guidelines, as well as how to install pfSense. The book then covers configuration of basic services such as DHCP, DNS, and captive portal and VLAN configuration. Careful consideration is given to the core firewall functionality of pfSense, and how to set up firewall rules and traffic shaping. Finally, the book covers the basics of VPNs, multi-WAN setups, routing and bridging, and how to perform diagnostics and troubleshooting on a network. What you will learn

- Install pfSense
- Configure additional interfaces, and enable and configure DHCP
- Understand Captive portal
- Understand firewalls and NAT, and traffic shaping
- Learn in detail about VPNs
- Understand Multi-WAN
- Learn about routing and bridging in detail
- Understand the basics of diagnostics and troubleshooting networks

Who this book is for This book is towards any network security professionals who want to get introduced to the world of firewalls and network configurations using Pfsense. No knowledge of PfSense is required

Cisco Secure Virtual Private Networks

Firewalls are among the best-known network security tools in use today, and their critical role in information security continues to grow. However, firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. **GUIDE TO FIREWALLS AND VPNs, THIRD EDITION** explores firewalls in the context of these critical elements, providing an in-depth guide that focuses on both

managerial and technical aspects of security. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The text also features an abundant selection of realistic projects and cases incorporating cutting-edge technology and current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. GUIDE TO FIREWALLS AND VPNs includes new and updated cases and projects, enhanced coverage of network security and VPNs, and information on relevant National Institute of Standards and Technology guidelines used by businesses and information technology professionals. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Configuring NetScreen Firewalls

Learn pfSense 2.4

Ideal for connecting branch offices and remote workers, Virtual Private Networks (VPNs) provide a cost-effective, secure method for connecting to a network. This book is a step-by-step guide to deploying one of the fastest growing methods for remote access, global connections, and extranet connectivity. From understanding VPN technology to security features of VPN to actual implementations, this book covers it all.

Cisco ASA

Print Textbook & Cloud Lab Access: 180-day subscription. The cybersecurity Cloud Labs for Network Security, Firewalls, and VPNs provide fully immersive mock IT infrastructures with live virtual machines and real software, where students will learn and practice the foundational information security skills they will need to excel in their future careers. Unlike simulations, these hands-on virtual labs reproduce the complex challenges of the real world, without putting an institution's assets at risk. Available as a standalone lab solution or bundled with Jones & Bartlett Learning textbooks, these cybersecurity Cloud Labs are an essential tool for mastering key course concepts through hands-on training. Labs: Lab 1: Assessing the Network with Common Security Tools Lab 2: Defending the Network from a Simulated Malware Attack Lab 3: Designing a Secure Network Topology Lab 4: Configuring the Windows Defender Firewall Lab 5: Planning and Configuring a Physical Firewall Implementation Lab 6: Monitoring and Logging Firewall Traffic Lab 7: Planning and Configuring Custom Firewall Rules Lab 8: Configuring a VPN Server with pfSense Lab 9: Configuring a VPN Client for Secure File Transfers Lab 10: Penetration Testing a pfSense Firewall Supplemental Lab 1: Analyzing Protocols with Wireshark Supplemental Lab 2: Using Wireshark and NetWitness Investigator to Analyze Wireless Traffic Supplemental Lab 3: Using Social Engineering Techniques to Plan an Attack Supplemental Lab 4: Attacking a Virtual Private Network Supplemental Lab

5: Drafting a Network Security Policy

VPNs Illustrated

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES! Network Security, Firewalls, and VPNs provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks.

Building Internet Firewalls

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. For organizations of all sizes, the Cisco ASA product family offers powerful new tools for maximizing network security. Cisco ASA: All-in-One Firewall, IPS, Anti-X and VPN Adaptive Security Appliance, Second Edition, is Cisco's authoritative practitioner's guide to planning, deploying, managing, and troubleshooting security with Cisco ASA. Written by two leading Cisco security experts, this book presents each Cisco ASA solution in depth, offering comprehensive sample configurations,

proven troubleshooting methodologies, and debugging examples. Readers will learn about the Cisco ASA Firewall solution and capabilities; secure configuration and troubleshooting of site-to-site and remote access VPNs; Intrusion Prevention System features built into Cisco ASA's Advanced Inspection and Prevention Security Services Module (AIP-SSM); and Anti-X features in the ASA Content Security and Control Security Services Module (CSC-SSM). This new edition has been updated with detailed information on the latest ASA models and features. Everything network professionals need to know to identify, mitigate, and respond to network attacks with Cisco ASA Includes detailed configuration examples, with screenshots and command line references Covers the ASA 8.2 release Presents complete troubleshooting methodologies and architectural references

Zero Trust Networks

Unparalleled security management that IT professionals have been waiting for. Check Point Software Technologies is the worldwide leader in securing the Internet. The company's Secure Virtual Network (SVN) architecture provides the infrastructure that enables secure and reliable Internet communications. CheckPoint recently announced a ground-breaking user interface that meets the computer industry's Internet security requirements. The Next Generation User Interface is easy to use and offers unparalleled security management capabilities by creating a visual picture of security operations. CheckPoint Next Generation

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Security Administration will be a comprehensive reference to CheckPoint's newest suite of products and will contain coverage of: Next Generation User Interface, Next Generation Management, Next Generation Performance, Next Generation VPN Clients, and Next Generation Systems. CheckPoint are a company to watch, they have captured over 50% of the VPN market and over 40% of the firewall market according to IDC Research Over 29,000 IT professionals are CheckPont Certified This is the first book to covers all components of CheckPoint's new suite of market-leading security products - it will be in demand!

Network Security, Firewalls, and VPNs with Cloud Labs

A firewall is as good as its policies and the security of its VPN connections. The latest generation of firewalls offers a dizzying array of powerful options; they key to success is to write concise policies that provide the appropriate level of access while maximizing security. This book covers the leading firewall products: Cisco PIX, Check Point NGX, Microsoft ISA Server, Juniper's NetScreen Firewall, and SonicWall. It describes in plain English what features can be controlled by a policy, and walks the reader through the steps for writing the policy to fit the objective. Because of their vulnerability and their complexity, VPN policies are covered in more depth with numerous tips for troubleshooting remote connections. · The only book that focuses on creating policies that apply to multiple products. · Included is a bonus chapter on using

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Ethereal, the most popular protocol analyzer, to monitor and analyze network traffic. · Shows what features can be controlled by a policy, and walks you through the steps for writing the policy to fit the objective at hand

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